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Development of a Regional Risk Assessment Methodology for Ship-Source Oil Spills in Canadian Waters

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ABSTRACT

Transport Canada (TC) commissioned Dillon Consulting Limited (Dillon) to develop a Regional Risk Assessment Methodology to a) assess the risks in Canadian Waters to a ship-source oil spill, taking into consideration existing spill preparedness and response activities, marine safety measures, local geography, environmental sensitivities, and ship traffic volumes, and b) determine effectiveness of existing spill preparedness and response activities sufficient to reduce the inherent risks of a ship-source oil spill. The Methodology quantifies Risk on 2 nautical mile by 2 nautical mile grid basis. The goal of the Methodology is to enable a risk-based approach to prioritize and support regional response and capacity planning within Canadian Waters.

SPEAKER BIOGRAPHY

Dave Poole, MSc, PEng, EP(CEA), CRM - Dave is a Partner at Dillon Consulting Limited in Calgary with over 20 years of experience in the areas of risk management, environmental management, sustainability, strategic planning and policy development. He works with both private and public sector clients on supply chain risks associated with the storage, handling and transportation of dangerous goods— whether it is by rail, road or barge/ship. For Transport Canada, he was the Technical Lead to develop a risk assessment methodology for ship-source oil spills in Canadian Waters, which was piloted in four areas in Canada – Southern Coast of British Columbia, Bay of Fundy, Port Hawkesbury and St. Lawrence River from Montreal to Anticosti Island. He is currently the Project Manager to finalize the methodology for Transport Canada, which is being piloted on the Northern Coast of British Columbia.